20. The method according to claim **18**, wherein the statistically significant difference comprises an over estimation of an equilibrium degree distribution, and wherein the abnormality comprises an indication appearance in the network of larger than expected hubs.

21. The method according to claim **1**, further comprising computing the dynamic graph according to the network.

22. A system for evaluating a network by predicting stabilization of the network, comprising:

at least one hardware processor; and

a non-transitory memory having stored thereon a code for execution by the at least one hardware processor, the code comprising instructions for:

providing a plurality of graphs each indicative of a respective sequential snapshot of a dynamic graph obtained over a historical time interval, the dynamic graph denoting the network;

computing a plurality of sets of meta-parameters, each set of meta-parameters computed according to a respective graph of the plurality of graphs, wherein each one of the meta-parameters denotes a network level parameter computed according to a plurality of at least one of edges and nodes of the respective graphs;

analyzing the plurality of sets of meta-parameters according to values computed based on a physics-based analytical model of an evolving physical system; and

predicting a likelihood of stabilization of the network during a future time interval according to an indication of convergence of the values according to a convergence requirement, computed based on the physics-based analytical model during the future time interval.

23. A computer program product for evaluating a network by predicting stabilization of the network, comprising:

a non-transitory memory having stored thereon a code for execution by at least one hardware processor, the code comprising instructions for:

providing a plurality of graphs each indicative of a respective sequential snapshot of a dynamic graph obtained over a historical time interval, the dynamic graph denoting the network;

computing a plurality of sets of meta-parameters, each set of meta-parameters computed according to a respective graph of the plurality of graphs, wherein each one of the meta-parameters denotes a network level parameter computed according to a plurality of at least one of edges and nodes of the respective graphs;

analyzing the plurality of sets of meta-parameters according to values computed based on a physics-based analytical model of an evolving physical system; and

predicting a likelihood of stabilization of the network during a future time interval according to an indication of convergence of the values according to a convergence requirement, computed based on the physics-based analytical model during the future time interval.

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